

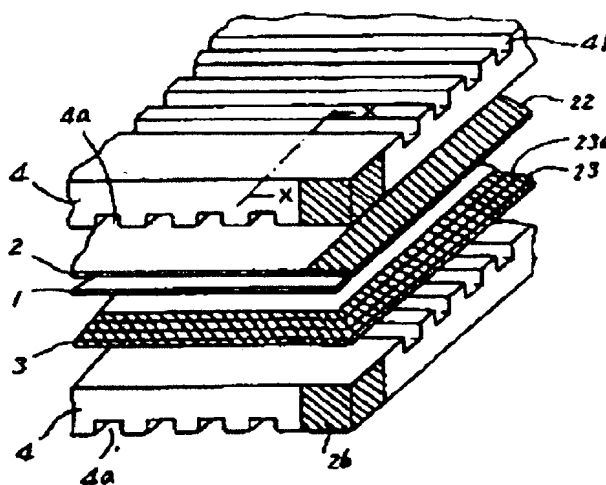
SEALING OF FUEL CELL

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Abstract of JP60000066

PURPOSE: To prevent leak and mixing of fuel gas and oxidation gas and thereby improve life span of cell by covering the end surface and edge of sealing unit body of each element of fuel cell with fluoric resin sheet and by forming nonadhesive sealing surface by thermal pressurizing. **CONSTITUTION:** In case a gas non-diffusing carbon plate is used for electrode plate 4 in a fuel cell, the edges 22, 23 in unit of sealing of fuel gas electrode layer 2, oxidation gas electrode layer 3 and surface edge of matrix plate 1 are covered with fluoric resin sheet. As the fluoric resin, copolymer resin of tetrafluoroethylene and perfluorovinylether is used. The sealing surface is pressurized at a temperature higher than the melting point of resin in order to form the non-adhesive sealing surface. The edge in the side of aperture of gas supply grooves 4a, 4b of electrode layers 2, 3 is perfectly sealed, preventing a danger where the fuel gas and oxidation gas leak from the end surface and are mixed.



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